Synology®

Disk Station DS110j

Budget-friendly 1-bay NAS server for Home and Small Business

Synology Disk Station DS110j is designed to provide a cost-effective file storage and backup solution. The system firmware, Synology Disk Station Manager 2.2, delivers rich features for multimedia enjoyments, worry-free backup, Internet sharing, and energy-saving options.

Key Features

- Easy to use
- DLNA Certified
- 2.5" and 3.5" HDD Support
- Cool and Quiet

Build Your Entertainment Center

Download Station 2 functions as a 24x7 BitTorrent, FTP, HTTP, eMule, and NZB download center. RapidShare and RSS download are now supported.

DLNA Compliant Media Sever ensures compatibility and interoperability between Disk Station and a wide range of DLNA-certified home devices.

iTunes Server provides an easy way to share music and videos with other iTunes clients within the local network. You can create playlists with songs that match the criteria you specified, and best of all, iTunes will update these playlists automatically as you add or delete songs.

Audio Station supports music, Internet radio stations, and iPod playback with connected USB speakers. Web-streaming mode allows your music to be shared with multiple users over the Internet.

Back Up Your Precious Data

DSM 2.2 offers comprehensive solutions for you to back up data stored on Disk Station or your desktop computer to the Disk Station. The creative USB Copy simplifies USB storage backup with a one-touch design.

Server backup includes two alternatives: Network Backup and Local Backup. Both allow you to back up data in the shared folders and databases. Incremental backup option and flexible schedules are available. All can be easily configured with a step-by-step wizard.

Desktop backup provides Windows PC users with the Synology Data Replicator 3 for backing up desktop data, Outlook, and Outlook Express emails to their Disk Station by choosing one of the three backup modes: Immediate, Sync, and Scheduled backup, while Mac OS X users can use **Apple Time Machine** backup application to back up their critical data to Disk Station.

USBCopy allows you to quickly back up your data from an USB storage device such as an USB flash or USB card reader to the Disk Station with just one single touch on the front-panel Copy button.

Enrich Your Web Presence

Photo Station 3 simplifies photo, video, and blog sharing over the Internet. The flexibility of photo theme customization, blog layout arrangement, visitor's privilege setting, RSS feed, and the dazzling 3-dimentional photo browsing with Cooliris make Photo Station 3 your state-of-the-art lifestyle sharing center on the Internet.

Web Station with built-in PHP+MySQL allows users to publish their own websites or install numerous popular open-source programs.

Access With Your iPhone/Mobile Device

The iPhone App DS audio allows Disk Station users to stream music stored on Disk Station with their iPhone/iPod® touch where Internet access is available, while **DS photo** allows uploading photos from the iPhone/iPod® touch to their Disk Station.

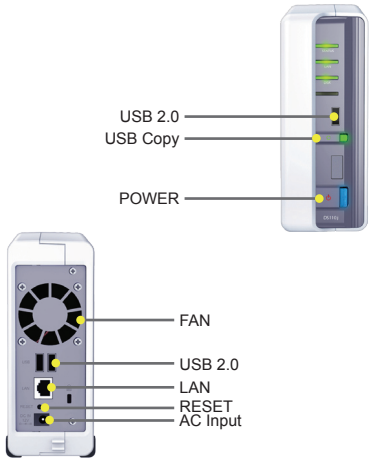
Users with a mobile device running on Windows Mobile® 6.0, iPhone OS 2.2.1 onward, or Symbian OS 9.1 can log on their Disk Station to view photos with Mobile Photo Station and read supported file formats with Mobile File Station where Internet access is available.

Synology Protects Our Earth

Synology Disk Station is designed with the concept of energy savings in mind. Compared with PC server products, Disk Station consumes relatively far less power than their PC counterparts. It not only saves your money, but also saves the earth.

Disk Station is produced with RoHS compliant parts and packed with recyclable packing materials. Synology recognizes its responsibility as a global citizen and is continually working to reduce the environmental impact of the products we create.

CONNECTIONS & BUTTONS



Technical Specifications

Hardware
- CPU Clock Rate: 800MHz, 16bit@DDR800
- RAM Size: 128 MB
- Internal HDD[1]: 1X 3.5" SATA(II) or 1X 2.5" SATA/ SSD using Synology 2.5" Disk Holder Type C
- External HDD Interface: 3X USB ports
- Size: 160mm X 63mm X 218mm
- Weight: 0.81kg
- LAN: 1X Gigabit
- Fan: 1X (50mmX50mm)
- Noise Level[2]: 25 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Internal Capacity: 2TB
- Max Supported IP Camera #: 5[7]
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet

Power Consumption[3]
- 19W (Access); 9W (Hibernation)

Certification
- FCC Class, CE Class B, BSMI Class B

Networking Protocols
- CIFS
- AFP (3.1)
- FTP
- NFS
- Telnet/SSH

Windows ADS Domain Integration
- ADS Support
- Domain users login via Samba/AFP/FTP
- Synology Data Replicator 3 for Domain Users

Security
- Firewall
- Auto-Block
- "FTP over SSL (explicit)" or "FTP over TLS (explicit)"
- Encrypted Network Backup
- Encrypted rsync
- HTTPS Connection

File System
- EXT3
- FAT (External Disk Only)
- NTFS (External Disk Only)

File Sharing
- Max User Account: 512
- Max Group: 128
- Max Shared Folder: 256
- Max Concurrent Connections (SAMBA, FTP, AFP):64

Utilities
- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add printer wizard

Applications
- Surveillance Station 3
- Photo Station 3
- File Station 2
- Audio Station
- Web Station
- PHP/MySQL
- Download Station 2
- iTunes Server

iPhone Applications
- DS photo
- DS audio

Packages
- Mail Station
- phpMyAdmin
- SqueezeCenter
- Webalizer

DLNA/UPnP Media Server Support
- DLNA Certified
- Sony PS3, Microsoft Xbox360
- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD
- Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO
- Playlist Format: WPL, M3U

iTunes Server Support
- Audio Format: MP3, M4A, M4P, WAV[4], AIF[4]
- Video Format: M4V, MOV, MP4
- Playlist Format: M3U, WPL

Audio Station Support
- USB Mode: (Audio) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR (Playlist) M3U, WPL (Internet Radio) SHOUTcast, Radioio
- Streaming Mode: (Audio) MP3 (Playlist) M3U, WPL

Photo Station 3 Support
- Video Format[8]: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM[5], RMVB[5], VOB[5]
- Image Format: BMP, JPG (jpe, jpeg), GIF

Management
- AJAX-based Management UI
- Sub-folder Privileges Setting
- User Home
- Applications privileges Setting
- BitTorrent Port Range Setup
- BitTorrent DHT Support
- Changing Management UI Ports
- CIFS Recycle Bin
- Download Station Bandwidth control
- Download Station Port Range Setup
- Editable HTTP Error Page
- Email Alert Message
- Email Notification for New User
- Package Management
- External HDD Hibernation (USB)
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Hide-able Shared Folder
- Internal HDD Hibernation
- Movable Shared Folder
- Removable Default Shared Folder
- System Temperature
- Ez-Internet
- PPPoE
- Resource Monitor
- SMS Notification
- SNMP
- UPS Management (Over USB 2.0)
- User Quota
- Web-based Download Station 2

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3 or Apple Time Machine backup application)
- USBCopy
- 3rd-Party Backup Support

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward
- Linux

Supported Browsers
- Internet Explorer 6, 7
- Internet Explorer 8
- Firefox 3
- Firefox 3.5
- Safari 3 (Mac)
- Safari 4 (Mac)

Supported Mobile Devices (Photo Station, File Station)
- iPhone OS 2.2.1 and onward
- Windows Mobile (IE Mobile or Opera 9.0 onward)
- Symbian OS 9.1, S60 3rd Edition onward

Printer Support[6]
- Max Printer #: 2
- Supported Protocols: LPR, CIFS, AppleTalk

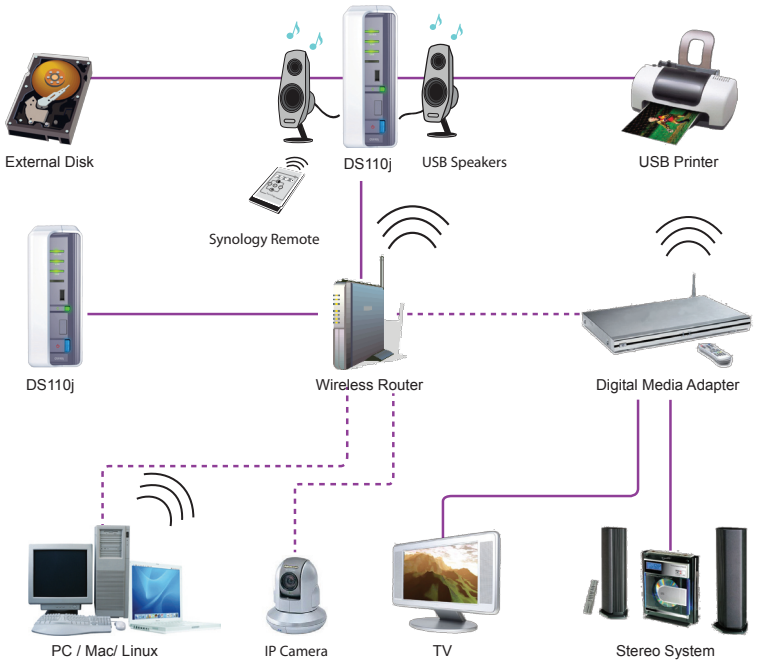
Languages
- English, German, French, Italian, Spanish, Danish, Norwegian, Swedish, Dutch, Russian, Japanese, Korean, Czech, Polish, Traditional Chinese, Simplified Chinese, Portuguese (Brazil), Portuguese (European), Turkish, and Hungarian

Environment
- RoHS Compliant

Package Content
- DS110j Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Adaptor
- AC Power Cord
- 2M RJ-45 LAN Cable

(1) Hard drive not included.
(2) FAN only. Measured at 2300~6200RPM, varied among models. More details about dB(A) value, check http://www.quietnoise.com/facts.htm
(3) Measured with 1 Seagate 750GB ST3750640NS hard drive. The figures could vary on different environments.
(4) The music can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.
(5) User can click and download the file, but not play it in Photo Station 3 as compressed Flash video.
(6) For Mac users, DS110j supports PostScript USB printers only.
(7) 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.
(8) AC3, AMR, DTS, RV30, RV40, WMA3 codec are not supported.

Networking



SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home o ces, individual users and families.

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